

MUSAYEV, K.D.

Symptomatology and clinical aspect of cancer of the upper jaw
according to data of the Oncological Dispensary of ~~Uzbekistan~~.
Med. zhur. Uzb. no.8:24-28 Ag '62. (MIRA 16:4)

1. Iz kafedry onkologii (zav. - prof. B.L.Bronshteyn)
Tashkentskogo instituta usovershenstvovaniya vrachey.
(UZBEKISTAN—JAWS—CANCER)

MUSAYEV, R.M.

Hybrid rutabaga and forage cabbage. Zemledelie 27 no.11-12
Ap '65. (MIRA 18:4)

1. Glavnnyy spetsialist otdela oroshayemogo zemledeliya khanty-gus'kiv
prigorodnykh zon Goszemvodkhuzza SSSR.

MUGAYEV, K. Yu.

"Algae From Certain Cultivated Fields of Tashkentskaya Oblast and Their Vascular Systems." Cand Biol Sci, Inst of Botany, Acad Sci Jzbek SSR; Inst of Botany, Acad Sci USSR, Leningrad, 1954. (RZ Biol, No 3, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

MUSAYEV, Karim Yusupdzhhanovich; MUZAFAROV, A.M., akademik, otv.red.;
CHAYKA, G.V., red.; GOR'KOVAYA, Z.P., tekhn.red.

[Algae of irrigated soils and their effect on soil fertility]
Vodorosli oroshaemykh zemel' i ikh znachenie dlia plodorodiia
pochv. Tashkent, Izd-vo Akad.nauk Uzbekskoi SSR, 1960. 211 p.
(MIRA 13:12)

1. AN UzSSR (for Muzaferov).
(Algae) (Soil fertility)

MUZAFAROV, A.M.; MUSAYEV, K.Yu.

Materials on algae of the reservoirs of the Zeravshan River
basin. Trudy TashGU no.187:235-249 '61. (MIRA 15:3)

1. Institut botaniki AN UzSSR i Tashkentskiy gosudarstvennyy
universitet imeni Lenina.
(Zeravshan Valley--Algae)

MUSAYEV, K.Yu.; UMAROVA, Sh.

Effect of watering on the development and distribution of algae
in cotton fields. Uzb. biol. zhur. 6 no.3:30-34 '62. (MIR. 15:6)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I. Lenina.
(UZBEKISTAN--ALGAE)
(UZBEKISTAN--COTTON--IRRIGATION)

MUSAYEV, K.Yu.; ERGESHEV, A.; SAIDOVA, R.

Flora of algae of some natural and artificial hot springs in
Central Asia. Uzb. biol. zhur. 7 no.3:5-11 1963. (MIRA 16:9)

1. Institut botaniki AN UzSSR i Tashkentskiy gosudarstvennyy
universitet imeni Lenina.

MUSAJEV, K.Yu.

Algae of virgin Sierozemka of Samarkanda Province. Tashk. 1979
TashGU no.241. Biol. nauki no.44; 196-197. '64.

(MFA IP:7)

MUSAYEV, M.A.

Currencies and monetary rates of exchange in commercial intercourse in Baku during the first half of the 19th century (1840).
Dokl. AN Azerb. SSR 17 no. 7:651-655 '61. (MIRA 14:10)
(Baku—Currency question)

MUSAYEV, M.A.

Construction of a special building for the Baku customhouse. Dokl.
AN Azerb. SSR 19 no.4:93-96 '63. (MIRA 16:12)

MUSAEV, M. A.
USSR, Ministry of Foreign Trade,
Central Scientific Research Laboratory of Fur Animal Breeding,
Veterinary Academy and Veterinary Department
"Compliment fixation reaction for diagnosis of
leptospirosis of animals."
SO: Veterinariia 25(12), 1948, p. 22

MUSAEV, M. A., Cand. of Vet. Sci.
Vet. Academy and TaNIL (Central Scientific Research Laboratory ?)
of Full Animal Breeding
"Leptospirosis of pigs."
SO: Vet. 26 (8) 1949, p. 23

MUGAYEV, M. A.

Serologicheskaya diagnostika leptospiroza zhivotnykh
(Serological Diagnosis of Leptospirosis in Animals) Baku. Izd-vo Akad. nauk Azerb.
SSR. 1950 146 pages with illustrations

U-5235

MUSAYEV, M. A.

"Leptospirosis of animals and the measures against it." Baku, 1951, 32 pages with illustrations. In Azerbaidzhan language.

So: Vet., May 1952, Unclassified.

MUSAYEV, M. A.

"Utilization of biological preparations in veterinary practice." Baku, . . ., 114 pages with illustrations in Azerbaidzhan language.
SC. Vet., July 1952, Unclassified.

MUSAYEV, M. A.

"Certain Problems of the Interrelationship of Leptospirosis of Animals and
Nonicteric Leptospirosis of Humans in Azerbayazhan".

Izd AN AzSSR. Vol. No. 12, pp 95-104, 1953.

In the autumn of 1951, cases of leptospirosis among cattle were recorded at four points in region A located along rivers. (Infection, flaring up at the uppermost point at the beginning of September, reached the low point toward the end of December.) Serological investigations yielded positive results with *Leptospirae interoanaemiae* "Strelok" strain, and in one case "Giatsint" strain. On 31 May, febrile infections began among children who had bathed in the river near point No. 1. On 13 March 1952 at one point in region B, a young bull died from leptospirosis, after which the herd shifted to another. At the end of April and the beginning of May, abundant rainfall created swampy places along the river. On May 8th, three cows infected with leptospirosis were isolated from the herd. The "Strelok" strain was lysed by their serum. *Leptospirae* cultures were isolated from the livers and kidneys of the dead cattle. The "Strelok" strain was agglutinated in titers of 1:500-1:100,000 from the serum of 14 of the cattle infected and reinfected by leptospirosis. Inoculation with Quinol vaccine stopped the infection. The animals of the above-mentioned higher point were driven to the bank for watering. At the lower watering place, 1-3 km away, the river forms a delta where children usually bathe. The bathing began during the first days of May.

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The children caught a fish, ate it, and drank the river water. Out of 50 children, 48 became ill, one of whom died.

Postmortem and serum diagnosis established leptospirosis. The serum of the children gave positive reactions with *L. grippotyphosa*. A culture of *Leptospirea*, strain SV, was isolated from the blood of one of the patients. (RZhBiol, No. 10, 1955)

2/2

SO: Sum No 884, 9 Apr 1956

MUSAYEV, M.A.

On the natural home of leptospirosis in Azerbaijan [in Azerbaijani
with summary in Russian] Izv. AN Azerb. SSR no.12:59-69 D'54.
(Azerbaijan--Leptospirosis) (MLRA 8:11)

MUSAYEV, M.A.

Pathological and histological changes in the central nervous system in the case of leptospirosis in cattle. IzvAN Azerb.SSR no.5:11-26 My '55. (MLRA 9:5)
(Leptospirosis) (Nervous system) (Cattle--Diseases and pests)

MUSAYEV, M.A.

Effect of protective inhibition (narcotic sleep) on the development
of pain and production of immune bodies in leptospirosis. Izv.AN.SSR
no.10:49-60 0 '55.
(Leptospirosis)

MUSAYEV, M.A.

Leptospiresis in domestic animals; from materials sent to the
editor. Veterinariia 32 no.9:46-49 S '55. (MLBA 8:12)
(LEPTOSPIROSIS) (VETERINARY MEDICINE)

MUSAIEV, M.A.

Experimental leptospirosis in buffaloes [in Azerbaijani]. Izv. AN
Azerb. SSR no.2:73-87 F '56. (MLRA 9:8)
(Leptospirosis)

MUSAIEV, M.A., kandidat veterinarnykh nauk.

Leptospirosis in cattle abroad. Veterinariia 33 no.3:80-84 Mr '56.
(MLRA 9:5)

(CATTLE--DISEASES AND PESTS) (LEPTOSPIROSIS)

MUSAIEV, M.A.

Effectiveness of antileptospiral chinosol vaccine in Azerbaijan
[in Azerbaijani with summary in Russian]. Dokl.AN Azerb.SSR
14 no.11:897-900. '58. (MIRA 11:12)

1. Institut zoologii AN AzerSSR.
(AZERBAIJAN--LEPTOSPIROSIS) (VACCINES)
(CATTLE--DISEASES AND PESTS)

MUSAYEV, M. A. and VEYSOV, A. M.

"The Coccidia of Certain Types of Murine Rodents in Azerbaijan."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Zoology of the Azerbaijan Academy of Sciences, Baku

SHAGYAROV, R. A., TURSIKOV, F. I.

"The susceptibility of the Vaynograd and Krasnovodsk regions to the development of listeriosis" (in Russian).

Resyutovye soveshchanie po parazitologicheskim problemam i voprosam zoolo-
gicheskym. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological
Problems and Diseases with "tural" participants). No. 20-21, October 1959,
1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, Tbilisi.

Inst. of Zoology, AMS Azerbaijan SSR/Baku and the Dzhul'fin branch of the Azerbai-
zhan
Antiplague Station

MUSAYEV, Musa Abdurakhmanovich, doktor veterin.nauk; SHAPOSHNIKOVA, A.N.,
red.; YARNYKH, A.M., red.; BALLOD, A.I., tekhn.red.

[Leptospirosis in cattle] Leptospiroz krupnogo rogatogo skota.
Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 378 p. (MIRA 13:2)
(Leptospirosis) (Cattle--Diseases and pests)

MUSAYEV, M.A.

Immunity against leptospirosis in animals. Izv. AN Azerb. SSR. Ser.
biol. i sel'khoz. nauk no. 2:55-62 '59. (MIRA 12:8)
(LEPTOSPIROSIS) (IMMUNITY)

MUSAYEV, M.A.; VEYSOV, A.M.

New coccidian species of the genus Eimeria from the vole *Microtus socialis* Pall in the Azerbaijan S.S.R. Izv. AN Azerb. SSR Ser. biol. i sel'khoz. nauk no.3:45-50 '59. (MIRA 12:8)
(Azerbaijan—Coccidiosis) (Parasites--Field mice)

MUSAYEV, M.A.; VEYSOV, A.M.

Coccidia of the forest zone in Azerbaijan. Dokl. AN Azerb. SSR 15
no. 6:535-539 '59. (MIRA 12:9)
(Azerbaijan--Protozoa) (Parasites--Dormice)

MUSAYEV, M.A.; VEYSOV, A.M.

New species of coccidia from the water vole *Arvicola terrestris*
L. Izv. AN Azerb. SSR. Ser. biol.i med.nauk.no.1:51-61 '60.
(MIRA 14:5)
(PARASITES—WATER VOLES) (PROTOZOA)

MUSAYEV, M.A.

Success in producing seed for vegetable, squash, and melon crops
in Azerbaijan. Izv. AN Azerb. SSR. Ser. biol. med. nauk no. 2:89-
94 '60. (MIRA 13:10)

(AZERBAIJAN—SEED PRODUCTION)

MUSAYEV, M.A.; VEYSOV, A.M.

New coccidian species from the Persian gerbil (*Meriones persicus* Blanford). Izv. AN Azerb. SSR. Ser. biol. i med. nauk no. 4:67-75 '60. (MIRA 14:2) (AZERBAIJAN--COCCIDIOSIS) (GERBILS--DISEASES AND PESTS)

MUSAYEV, M.A.; SHARIPOVA, E.G.

Effect of ionizing radiations on the variability of different
tomato varieties in the Apsheron Peninsula. Izv. AN Azerb. SSR.
Ser. biol. i med. nauk no.6:43-50 '60. (MIRA 14:9)
(PLANTS, EFFECT OF GAMMA RAYS ON)
(APSHERON PENINSUAL--TOMATOES)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135710019-3

MURKIN, M.A.; GORDON, T.C.

High-yield tomato varieties from the Soviet Union
Lowland. Izv. Ak. Agrar. Nauk SSSR. Ser. 1. No. 1. 1970.

APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135710019-3"

MUSAYEV, M.A.; VEYSCV, A.M.

New coccidian species from the gerbil *Meriones tristrami* Thomas
of Asia Minor. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6:
79-85 '60. (ME.A 14:9)

(AZERBAIJAN--COCCIDIOSIS)
(GERBILS--DISEASES AND PESTS)

MUSAYEV, M.A., doktor veterinarnykh nauk

Influence of factors in the external environment on the epizootology
of leptospirosis in cattle. Veterinariia 37 no.1:22-25 Ja '60.
(MIRA 16:6)

1. Institut zoologii AN Azerbaydzhanskoy SSR.
(Leptospirosis)

MUSAYEV, M. A., & ALIYEVA, F. K. (BAKU)

"Some questions of the ecology of Coccidia from *Meriones erythrourus*."
(In Russian.)

Report presented at the 13th Annual meeting and 1st International Conference
of Society of Protozoologists, Prague, 22-31 Aug 61

MUSAYEV, M.A.; ALIYEVA, F.K.

New coccidian species of the genus Eimeria from the red-tailed gerbil
(*Meriones erythrourus* Gray). Izv. AN Azerb. SSR. Ser. biol. i med.
nauk no.5: 53-59 '61. (MIRA 14:8)
(AZERBAIJAN--COCCIDIOSIS) (GERBILS AS CARRIERS OF DISEASE)

MUSAYEV, M.A.

Results and problems of research on natural disease foci in
Azerbaijan. Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.6:51-57
'61. (MIRA 14:8)

(AZERBAIJAN--ANIMALS AS CARRIERS OF DISEASE)

MUSAYEV, M.A.; RAGIMOV, A.S.; GVOZDENKO, T.M.

Effect of cultivation conditions on variations in the varietal
characteristics of peppers. Izv. AN Azerb. SSR. Ser. biol.
i med. nauk no.11:47-56 '61. (MIRA 15:3)
(PEPPERS)

MUSAYEV, N.A.; VELYSOV, A.I.

A new coccidian species from the Mediterranean bat (Vespertilio
kuhlii Kuhl). Dokl. AN Azerb. SSR 17 no.8:741-744 '61.
(MIRA 14:1C)

1. Institut zoologii AN AzerbSSR.
(Nakhichevan A.S.S.R.--Coccidiosis)
(Bats--Diseases and pests)

MUSAYEV, M.A. VEYSOV, A.M.

A new coccidian species from the Persian shrew Crocidura leucodon
Herm. Dokl. AN Azerb. SSR 17 no.10:967-969 '61.
(MIRA 14:12)

1. Institut zoologii AN AzSSR. Predstavлено академиком
AN AzSSR A.N. Derzhaviny.
(Azerbaijan--Coccidiosis)
(Shrews--Diseases and pests)

MUSAYEV, M.A.; VEYSOV, A.M.

A new coccidian species from the edible dormouse *Glis glis* (1766).
Dokl. AN Azerb. SSR 17 no. 11:1085-1088 '61. (MIRA 15:2)

1. Institut zoologii AN AzSSR. Predstavлено академиком AN
AzSSR A.N.Derzhaviny.
(Lovan region—Coccidiosis) (Parasites—Dormice)

MUSAYEV, M. A., (Professor, Corresponding Member of the Academy of Sciences,
Azerbaijan SSR)

Review of the book by M. V. Zemskov "Swamp fever in man and leptospirosis in cattle.

Veterinariya vol. 38, no. 10, October 1961, pp. 90.

MUSAYEV, M.A.; VEYSOV, A.M.

New coccidian species of the genus *Eimeria* from the gray hamster
(*Cricetulus migratorius* Pallas, 1770). Zool.sibir. 40 no.7:971-
975 Jl '61. (MIRA 14:7)

1. Institute of Zoology, Akademy of the Azerbaijan S.S.R., Baku.
(Azerbaijan—Coccidiosis) (Hamsters—Diseases and pests)

MUSAYEV, M.A.; ABDULLAYEVA, T.Yu.; GVOZDENKO, T.M.

Effect of cultivation conditions on the growth, development and productivity of different tomato varieties. Trudy Inst.gen.1
sel. AN Azerb.SSR 2:122-129 '62. (MIRA 16:2)
(Karabakh Steppe—Tomatoes—Varieties)
(Apsheron Peninsula—Tomatoes—Varieties)

MUSAYEV, M.A.

Etiology of cattle leptospirosis in Azerbaijan. Trudy Inst. zool.
AN Azerb. SSR 22:46-72 '62. (MIRA 15:11)
(Azerbaijan--Leptospirosis)
(Azerbaijan--Cattle--Diseases and pests)

MUSAYEV, M.A.; VEYSOV, A.M.

New species of coccidia of the genus *Eimeria* from the jerboa
Allactaga dater Licht., 1925. *Zool. zhur.* 42 no.1:126-128 '63.
(MIRA 16:5)

1. Institute of Zoology, Academy of Sciences of the Azerbaijan S.S.R.,
Baku.
(Azerbaijan—Parasites—Jerboas) (Azerbaijan—Coccidiosis)

MUSAYEV, M.A.; VEYSOV, A.M.; ALIYEVA, F.K.

Five new Coccidium species of the genus *Eimeria* from the
vole *Microtus socialis* Pall. Zool. zhur. 42 no.6:809-813
'63.
(MIRA 16:7)

1. Institute of Zoology Academy of Sciences of the Azerbaijan
S.S.R., Baku.

(Azerbaijan—Coccidium)

(Azerbaijan—Field mice—Diseases and pests)

DZHAFAROV, Sh.M., MUSAYEV, M.A., red.; SOSNINA, Ye.F., red.

[Biting midges (Diptera, Heleidae) of Transcaucasia; morphology, biology, ecology, geographical distribution, injuriousness, control and fauna of the genera Culicoides, Leptoconops and Lasiohelea] Krovososushchie mokretsy (Diptera, Heleidae) Zakavkaz'ia; morfologiya, biologiya, ekologiya, geograficheskoe rasprostranenie, vredonosnost', mery bor'by i fauna rodov Culicoides, Leptoconops i Lasiohelea. Baku, Izd-vo AN Azerb.SSR, 1964. 413 p.

(MIRA 17:5)

MUG'YEV, M.A.; ALIYEVA, F.K.

Species of Coccidia and the spread of coccidiosis among
poultry in the Kuba-Knachmas zone of the Azerbaijan S.S.R.
Izv. AN Azerb. SSR. Ser. biol. i med. nauk no.2:3-11 '63.
(MIRA 17:5)

MUGAYEV, M.A.; VELYKOV, A.M.

Coccidians of the wood mouse Apodemus sylvaticus L. [z...].
Azerb. SSR. Ser. Biol. i med. nauk no. 6: 1-16?

1967

MUSAYEV, M.A.; VEYSGOV, A.M.

New species of coccidians of the genus Eimeria from the alpine
(Transcaucasian) subterranean vole *Ellobius lutescens* Thomas
(1897). Dokl. AN Azerb. SSR 19 no. 7:75-77 '63.
(MIRA 17:02)

1. Institut zoologii AN AzerSSR.

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R001135710019-3

MEYER, M. J., 870, 177,

St. Louis, Mo., Informant, 1940s-50s
and 1960s, police informants, CIA agents,
and underworld contacts.

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CIA-RDP86-00513R001135710019-3"

MUSAYEV, M.A., red.; KASYMOV, A.G., kand. biol. nauk, red.;
ABDURAKHMANOV, Yu.A., kand. biol. nauk

[Hydrobiological and ichthyological studies in the southern Caspian Sea and inland bodies of water of Azerbaijan] Gidrobiologicheskie i ikhtiologicheskie issledovaniia na Uzhnom Kaspii i vnutrennikh vodoemakh Azerbaidzhana. Baku, Izd-vo AN Azerbaidzhanskoi SSR, 1965. 168 p. (MIRA 18:6)

1. Akademiya nauk Azerbaydzanskoy SSR, Baku. Institut zoologii. 2. Chlen-korrespondent AN Azerbaydzanskoy SSR (for Musayev).

MISAWI, Y.A.; ALI, S.H., et al.

Distribution of Leucostomatobacillus among various
domestic chickens of different ages and sex at
biol. mark no.: 1-2, 1-3,

MUSAYEV, M.A.

Organization of guilds in Baku. Dokl. AN Azerb. SSR 21 no. 7:76-79
'65. (MIRA 18:12)

MUSAYEV, M.A.; MULYARSKAYA, L.B.; GADZHIYEV, A.T.; MANAFOVA, Sh.G.

Cenotic categories of the components of parasitocenosis as
exemplified by the vole *Microtus socialis* Pall. Zool.zhur.
44 no.11:1595-1601 '65. (MIRA 18:12)

1. Institut zoologii AN AzSSR, Baku.

MUSAYEV, M.A.; VEYSOV, A.M.; KHEY SIN. Ye.M., doktor biol. nauk,
prof., red.

[Coccidia of rodents of the U.S.S.R.] Koktsidii gryzunov
SSSR. Baku, Izd-vo AN Azerb.SSR, 1965. 153 p.
(MIRA 18:8)

MELIK-ASLANOV, L.S.; SIDOROV, O.A.; PUTYATINA, L.I.; MUSAYEV, V.A.

Analyzing and generalizing the results of the introduction of
sand-jet perforation in the fields of Azerbaijan. Neftgazprom,
delo no.11:16-21 '64. (1964 12:1)

MUSAYEV, M.A.

First International Parasitological Congress. Izv. AN Azero.
SSR. Ser. biol. nauk no.1:111-114 '65.

(MIRA 18:5)

1. Chlen-korrespondent AN Azerbaydzhanskoy SSR.

MUSAYEV, M.A.; KOCHARLI, E.S.

Materials on spreading of toxoplasmosis among farm animals in
Azerbaijan. Trudy Inst. zool. AN Azerb. SSR 24:3-12 '65.
(MIRA 18:5)

MUSAYEV, M.A.; ALIYEVA, F.K.

Coccidia in turkeys of the Kuba-Knachmas zone of Azerbaijan.
Trudy Inst. zool. AN Azerb. SSR 24:13-26 '65.

(MIRA 18:5)

MUSAYEV, M. A.

"The ecology of rodent coccidia from Azerbaijan."

report submitted for 1st Int'l Cong, Parasitology, Rome, 21-25 Sept. 1970.

Dept of Parasitology, Inst of Zoology, 6 Akademicheskaya St., 73 Baku.

MUSAYEV, M. M.

*Raman spectra for high-boiling hydrocarbons. C. A. Bultanov and M. M. Musayev. *Izv. Akad. Nauk Azerb. SSR*, S.S.R., 1957, No. 1, 31-2 (in Russian).—Raman spectra of chem. pure cefine (I) and Tetralin (II) by using the 4358 Å. lines were made. for I: 300(9.7), 347(4.3), 408(9.3), 493(70.3), 610(4.3), 697(5.5), 700(4.5), 754(60), 840(25.6).

14E4f
14E4c

370(12.1), 404(11.6), 603(12.0), 1005(16.3), 1023(10.5),
1058(9.0), 1143(11.9), 1162(28), 1203(4.4), 1233(21.0),
1256(71.7), 1330(3.9), 1361(12), 1381(12.8), 1382(30.9),
1449(105.3), 1603(8.6), 2253(01.4), 2349(100), 2389(160),
2895(70), and 2931(140). For II: 203(41), 439(1.3),
456(24), 508(30.5), 582(60.5), 609(15.3), 702(27.1), 725
(200), 743(24.8), 808(21.2), 818(22.0), 837(17.5), 938(1.2),
984(24.4), 1039(235.5), 1088(21.6), 1079(17.1), 1112(10.9),
1145(15.1), 1159(30.4), 1203(180), 1238(20), 1238(23.0),
1287(22.0), 1297(33.9), 1344(23.6), 1356(20.8), 1381(120),
1433(110), 1441(43.9), 1450(38.5), 1469(86.9), 1520(42.1),
1604(4.3), 2334(42), 2357(45), 2364(40), 2384(132),
2015(28), 2038(60). M. Chavandarian

PM

PR
MT

MUSAYEV, Makhmud Musayevich; ORLOV, V., red.; DANILINA, A., tekhn.red.

[The Uzbek S.S.R.; a brief historical and economic study]
Uzbekskaya SSR; kratkii istoriko-ekonomicheskii ocherk. Moskva,
Gos.izd-vo polit.lit-ry, 1959. 181 p. (MIRA 12:12)
(Uzbekistan--History) (Uzbekistan--Economic conditions)

S/035/60/000/04/06/017
A001/A001

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1960, No. 4,
p. 42, # 3168

AUTHORS: Guseynov, R. E., Musayev, M. M.

TITLE: An Observation of a Flare^v on March 3, 1958

PERIODICAL: Solnechnyye dannyye, 1959, No. 1, pp. 79-80

TEXT: The flare of March 3, 1958, was observed by the chromospheric tube of a chromospheric-photospheric telescope at the Mountainous station of the Sektor astrofiziki (Astrophysical Branch) of AS Azerbaydzhan SSR. The flare was originated in the region of a large active zone. The coordinates of the flare center are as follows: $\varphi = -19^{\circ}$, $\lambda = 61^{\circ}$ E. The intensity of the maximum brightness area amounted to 3.57 intensity of the surrounding background or 1.43 in terms of the ✓ units of continuous spectrum intensity. The brightness of the flare, after a rapid increase, declined comparatively slow.

R. B. T.

Card 1/1

MUSAYEV, M. R.

Composition of butylenes formed in dehydration of butyl alcohols. M. R. Musayev and V. G. Zil'zin. Zhur. Priklad. Khim., 49, 803-7 (1975).--Also: Bu_3OH passed over Al_2O_3 at 340-460° gave only $\text{Me}_2\text{C}(\text{CH}_3)_2$, confirmed by Raman spectra. At 340° BuOCl gave 78% 1-butene, 15% *cis*-2-butene, and 7% *trans*-butene; at 400° these were 72, 16 and 12, resp., and at 460° they were 60, 30 and 20, resp. $\text{Me}_2\text{CH}_2\text{OH}$ at 340° gave 34% 1-butene, 44% *cis*-2-butene, and 22% *trans*-2-butene; at 400° these were 35, 42 and 23, resp., and at 460° they were 34, 40 and 20, resp.

O. M. Kosolapoff

MUSA~~EY~~ M.R.

Chem // Composition of butylenes formed in dehydration of butyl
alcohols. M.R. Musayev and V.G. Zirin. J. Appl. Chem.
U.S.S.R. 29, 800-79 (1956) (English translation). See C.A.
59, 15409f.

3
2

PM

map

HUJAYEV, M.R.; ASHUMOV, G.G.

Studying Artem paraffin-base petroleums. Azerb. neft. khoz. 36
no.10:31-32 0 '57. (MIRA 11:2)
(Artem Island--Petroleum--Analysis)

MUSAYEV, M.R.; LISOVSKAYA, S.M.

Classifying and studying commercial fuels and oils obtained from
a mixture of Artem paraffin-base petroleums. Azerb. neft. khoz. 36
no.12:29-31 D '57. (MIRA 11:3)
(Artem island--Petroleum)

MUSAYEV, M.R.

PHASE I BOOK EXPLOITATION

SOV/2925

11(4) "M. R. Musayev" na "Nafta-Neftalotekhnika" institut nefta-
Baku. Azerbaydzhan. V. V. Barysheva.
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tman, Candidate of Chemical Sciences, I.M. Ordubayeva, Candidate
of Technical Sciences, M.M. Melik-Zade, Candidate of Chemical
Sciences.

PURPOSE: This collection of articles is intended for chemical
engineers, technicians, and refinery concerned with advanced
methods of petroleum conversion.

COVERAGE: The collection presents an analysis of different
types of crude oil found in Azerbaijan and of the products
recovered from them through petroleum conversion
processes. The deasphalting, desalting and demulsifying of crudes
is described. The availability of these crudes for the
recovery of diesel fuel is discussed. Recovery of catalytic
cracking performed over a fluidized bed asphaltic catalyst
and the chemical composition of gasoline produced by catalytic
cracking are analyzed. Attrition and deactivation of a
base catalyst, as well as catalyst circulation in a
flow system are reviewed. Various lube oil additives and
the production of different types of oil sand carbon black
are outlined. References to company individual article 1/2925
are given.

Collection of Works, No. 2

SOV/2925

Musayev, A.M., R.Sh. Malyayev, M.M. Dreyzina, K.I. Antonova,
Ye. M. Kostina, N.Y. Chirkova, and M.I. Al'iyev. Production of
Kerosene Oil from Petroleum Recovered at the "Neftyanoy" Refinery.
Deposits

Musayev, A.M., R.Sh. Malyayev, M.M. Dreyzina, K.I. Margolina, and
N.R. Maksayev. Application of the De-asphalting Process in the
Production of Aviation Lubricating Oil NK-22

Musayev, A.M., J.M. Demidov, M.M. Mikhalevskaya, S.M. Loganova,
and N.R. Maksayev. Production of Oil From Paraffin Crude Oil
Deposits Containing Carbide

Rashkov, V. Ye. and I.I. El'ovich. Problem of Making Universal
Automobile Lubrication Oils

Omidzade, L.M., and M.K. Mirdzhabadova. Investigation of Lube Oil
Properties and Lubrication Oil Recovered from Standard Burekany
Petroleum

Case 58
McIlk-Zade, M.M., A.G. Fazilova, N.R. Musayev, V.V. Subbotin,
Veretennikov, and N.I. Zvezdinov. Problem of Appraising the Tra-
ditionality of Additive Ashii-7 in Diesel Oil by Means of Radiactive
Isotopes

13

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ASHUMOV, G.G.; MUSAYEV, M.R.

Nitrogen compounds in crude oils of the Kala Field on the Apsheron Peninsula. Sbor.trud.AzNII NP no.2:5-11 Ag '58.(MIRA 12:6)
(Apsheron Peninsula--Petroleum--Analysis)
(Nitrogen compounds)

KULIYEV, A.M.; KULIYEV, R.Sh.; DREYZINA, M.M.; MARGOLINA, R.L.;
MUSAYEV, M.R.

Use of the deasphaltizing process in the production of MK-22
aviation oil. Sbor.trud.AzNII MP no.2:144-155 Ag '58.
(MIRA 12:6)

(Petroleum products)
(Lubrication and lubricants)

KULIYEV, A.M.; ORUDZHEVA, I.M.; MIRDZHAVADOVA, M.M.; LOGIMOVA, S.I.
MUSAIEV, M.R.

Producing lubricating oils from paraffin-base crudes by de-waxing with carbamide. Sbor. trud. AzNII MP no. 2:156-172 Ag '58.
(MIRA 12:6)

(Lubrication and lubricants)
(Paraffins) (Urea)

MELIK-ZADE, M.M.; KHANLAROVA, A.G.; MUSAYEV, M.R.; SUBKHANVERDIKHOVA,
V.V.; FARADZHEV, Kh.F.

Radioisotope evaluation of the stability of the AzNII-7 additive
in Diesel oil. Sbor.trud.AzNII MP no.2:279-287 Ag '58.
(MIRA 12:6)

(Diesel fuels--Additives)
(Radioisotopes)

MUSAYEV, M.R.

Group analysis for hydrocarbon composition of light-colored fuels
obtained from the Artem paraffin oil. Azerb. neft. khoz. 37 no.2:
43-44 P '58.
(Periodic law) (Hydrocarbons--Analysis) (Petroleum as fuel)

MUSAYEV, M.R.

Hydrocarbon composition of the Artem paraffin-base petroleum.
Azerb. neft. khoz. 37 no.7:38-39 J1 '58. (MIRA 11:9)
(Artem Island--Petroleum--Analysis)

MELIK-ZADE, M.M.; BUZOVA, N.G.; MUSAYEV, M.R.; SAFARALIYEVA, I.G.; ALIYEV, R.G.

Investigation of the structure of coke deposits on an alumino-silicate catalyst. Sbor. trud. Az NII MP no.4:81-88 '59.

(Aluminosilicates)

(MIRA 15:5)

S/081/60/000/010/009/009
A166/A129

AUTHOR Musayev, M.R.

TITLE: The effects of solid hydrocarbons on methods of determining the chemical composition of oil fractions from Artemov paraffinous petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, 1960, no. 10, 461, abstract 40318.
(Azerb. neft. teserrufaty, Azerb. neft. kh-vo, 1959, no. 6, 43 - 45)

TEXT: A study was made of the effects of solid hydrocarbons on the accuracy of oil composition determination by GrozNII method and by Flüchter ring analysis. Tests were made with 425 - 500°C fractions of Artemov petroleum before and after deparaffination at -20 - -28°C in an alcohol-ether solution. In determination of the distillate fractions' hydrocarbon composition the true values of the naphthalene hydrocarbons and paraffins content, determined by the GrozNII method, proved to be distorted. The same occurs (unless preliminary hydrogenation is performed) with determination of the naphthalene rings, aromatic rings and paraffin chains by Flüchter's method.

[Abstracter's note: Complete translation]

G. Margolina

Card 1/1

ASHUMOV, G.G.; NUSAYEV, M.R.; NASIROV, A.B.

Determination of the formation temperatures of Baku petroleum
based on the cyclohexane and methyl cyclopentane content. Azerb.
neft. khoz. 38 no.5:36-37 My '59. (MIRA 12:9)
(Baku region--Petroleum--Analysis)

MUSAYEV, M.R.

Hydrogenation of iso- and n-butyl phenyl ketones on a nickel-kieselguhr catalyst. Azerb.khim.zhur. no.2:99-101 '60.

(MIRA 14:8)

(Ketone) (Hydrogenation)

ZUL'FUGARLY, D.I.; ASHUMOV, G.G.; MUSAYEV, M.R.; NASIROV, A.B.

Macroelements in petroleum ashes of Azerbaijan [in Azerbaijani
with summary in Russian]. Azerb.khim.zhur. no.2:149-152 '60.
(MIRA 14:8)

(Azerbaijan--Petroleum--Analysis)

~~M~~ELIKZADE, M.M.; MUSAYEV, M.R.

Catalytic cracking of normal hexadecane on al aluminosilicate
catalyst. Azerb.khim.zhur. no.3:43-47 '60. (MFA 14:8)
(Hexadecane) (Cracking process)

MAMEDALIYEV, Yu.G.; MUSAYEV, M.R.

Production of hexadienes based on propylene. Azerb.kim.zhur.
no.4:3-9 '60. (MIRA 4:8)
(Hexadiene) (Propene)

MELIKEADE, M.M.; MUSAYEV, M.R.

Role played by individual hydrocarbons in the formation of coke on an aluminosilicate catalyst under the conditions of catalytic cracking. Azerb.khim.zhur. no.4:17-20 '60.

(MIRA 14:8)

(Hydrocarbons) (Coke) (Cracking process)

S/081/61/000/022/002/076
B102/B108

AUTHORS: Ismailzade, I. G., Musayev, M. R., Mamedov, F. A.,
Gasanova, N. E.

TITLE: Raman spectra of monoamyl benzene isomers

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 22, 1961, 15, abstract
22B88 (Azerb. khim. zh., no. 5, 1960, 73-76)

TEXT: The line frequencies and intensities of the Raman spectra of n-amyl benzene, tert-amyl benzene, 1-phenyl-3-methyl butane, and 2-phenylpentane were measured. In all spectra lines were observed which are characteristic of monoalkyl benzenes. Besides, lines were found in the spectra of each of the investigated compounds which permit distinguishing amyl benzenes with different structures of the side chains from one another. The line $\sim 741 \text{ cm}^{-1}$ was characteristic of all monoalkyl benzenes with isostructural side chains. Its intensity was found to decrease by about 50% with each CH_2 group for which the branching of the side chain of the aromatic carbon atom is reduced. The line $\sim 732 \text{ cm}^{-1}$ is characteristic of the secondary butyl and amyl benzenes. [Abstracter's note: Complete translation.]

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Card 1/1

MUSAYEV, M.R.

8/081/61/000/008/011/017
B10/B203

AUTHORS:

Melikzade, M.M., Musajev, M.R., Seferelijeva, Lh.

TITLE:

Study of the mechanism of catalytic cracking of tagged n-amyl benzene on an aluminosilicate catalyst

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 8, 1961, 479, abstract 8M 179 (8M179) (Azerb. naft. kh-vo, 1960, no. 8, 33 - 35)

TEXT: The authors studied the mechanism of catalytic cracking of n-amyl benzene (I) with a C¹⁴ atom in the side chain and of coke deposited on the catalyst. They give the scheme of the microsynthesis of I. At 4500°, the weight velocity of 1 hr, and a test time of 1 hr⁻¹ on a synthetic aluminosilicate catalyst, the amount of cracked portion was found to be 35 - 40% for I. The considerable amount of hydrocarbons separated out proves the high degree of splitting of the side chain of I. The main products of cracking of I are benzene (almost not radioactive) and toluene (this fraction was strongly radioactive). The decomposition products of the chain of (I) are apparently concentrated in the coke

Card 1/2

Study of the mechanism...

S/081/61/000/008/011/017
B110/B203

which is highly radioactive, & references, [Abstracter's notes, Complete translation.]

Card 2/2

24825
S/081/61/000/011/026/040
B103/B202

5 3300

AUTHORS:

Melikzade, M. M., Musayev, M. R., Safaraliyeva, I. G.

TITLE:

Study of the cracking reaction of ordinary amyl benzene with tagged carbon atom in the ring on a synthetic aluminosilicate catalyst

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 11, 1961, 180 - 181,
abstract 11M174(11M174). ("Azerb. neft. kh-vo", 1960,
no. 11, 37 - 38)

TEXT: Experiments are described which were conducted when studying catalytic cracking of ordinary amyl benzene which contained C¹⁴ in the benzene ring, on an industrial aluminosilicate catalyst consisting of spherules. The data obtained permit conclusions on the participation of the benzene ring and the side chain of ordinary amyl benzene in the formation of coke on the catalyst under conditions of catalytic cracking. Catalytic cracking was produced under the following conditions: temperature 450°C, weight velocity 1 per hr, duration of the experiment 1 hr. 10.3 g catalyst and 10.4 tagged ordinary amyl benzene with a specific

Card 1/2

X

24825

S/081/61/000/011/026/040
B103/B202

Study of the cracking reaction....

relative activity of 276 466 imp/min per g and a relative total activity of 2 866 380 imp/min were used for the experiment. 9 g (85.5 %) of a liquid catalyst were obtained. The amount of gas and coke on the catalyst as well as the losses were 1.4 g (13.5 %). It was demonstrated that the main activity of the converted part of the ordinary amyl benzene tagged in the ring, passes into the benzene and toluene fraction and into the residue of the liquid catalyzate after fractional distillation. The activity of coke and gaseous products was insignificant. The high activity of benzene proves that it is formed as a result of a direct rupture of the bond between ring and side chain. The considerable activity of toluene justifies the assumption that toluene is a product of the alkylation of active benzene by fragments of the side chain. The higher specific activity of the catalyzate residue after fractional distillation as compared to this value for the initial ordinary amyl benzene indicates that the residue is a mixture of high-molecular components in which an active benzene ring participates to a higher degree. [Abstracter's note: Complete translation]

Card 2/2

5.3300

24824
S/081/61/000, 011/023, 040
B103/B202

AUTHORS: Musayev, M. R., Kosykhin, A. S.

TITLE: Behavior of tertiary amyl benzene in catalytic cracking

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 479, abstract
11M166(11M166). ("Azerb. neft. kh-vo", 1960, no. 12, 37-38)

TEXT: Catalytic cracking of tertiary amyl benzene (boiling point 189-191°C,
 d_4^{20} 0.8740, n^{20}_D 1.4923) was made in a continuous system, in a pyrex glass
reaction vessel at 450°C and a weight velocity equal to one, on commercial
alumo-silicate catalyst with a spherule diameter of 3 mm. It was
demonstrated that tertiary amyl benzene is merely dealkylated while forming
benzene, 2-methyl butene-1, and 2-methylbutene-2. The cracking products
were analyzed by the method of the Raman spectra. [Abstracter's note:
Complete translation.] X

Card 1/1

MELIK-ZADE, M.M.; MUSAYEV, M.R.; SAFARALIYEVA, I.G.

Studying the mechanism of the catalytic cracking of the tagged
n-amylbenzene on an aluminosilicate catalyst. Azerb.neft.khoz.
(MIRA 13:11)
39 no.8:33-35 Ag '60.
(Cracking process) (Benzene)

SAC 162,000/107,166,000
SAC 162,000

ATT.CR: J. S. Gandy, Jr., R.

TITLE: Study of the effect of solidification on the solidification point of light oils from the selected Bureau of Mines

REFERENCE: Refractories journal, vol. 14, no. 4, 1961, pp. 1-4,
Abstract 6.113 (Amurb. chim. sh. no. 1, 1961, 11-1)

TEXT: The solid hydrocarbons (SH) are separated from the distillate of the naphtha fraction (350 - 400°C) of transformer oil and of naphtha (motor oil), derived from the selected curtailed petroleum. Carbons are used for deparaffinization. The paper tel HD are paraffins of normal structure. It was shown that their content up to 4% affects the solidification point, the depression increasing with increasing molecular weight of the paraffins. (Abstracter's note: Complete translation.) ✓

Carri 1/1

S/081/62/000/002/094/107
B157/B110

11.9700

AUTHOR: Musayev, M. R.

TITLE: Study of the susceptibility of light oils containing various proportions of paraffins and obtained from selected Surakhany crude oils to the action of depressing agents

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 2, 1962, 496, abstract
2M309 (Azerb. Kimja zh., no. 2, 1961, 25 - 28)

TEXT: A study is made of the action of depressing additives (in concentration 0.5%) - the Aznii depressor, the constituent of the Aznii-Tsiatim-1 and the constituent of the Aznii-5 additives on the solidification point of light oils (transformer, fraction 350 - 480°C and avtol-6 from selected Surakhany crude oil), depending on the hard paraffin content in the oil (added in proportions from 2 to 10%) and also on the molecular weight and melting point of the added paraffins. It was found that the Aznii depressor and the constituent of the Aznii-Tsiatim-1 additive were effective in their action and in most of the experiments the maximum depression of the solidification point took place when the paraffin content in the oil was $\leq 4\%$, independent of the grades of oil and paraffins

Card 1/2

/B

Study of the susceptibility...

S/081/62/000/002/094/107
B157/B110

taken. The depressive action of the constituent of the Aznii-5 additive proved considerably less effective than that of the other two additives.
[Abstracter's note: Complete translation]

✓B

Card 2/2

S/195/61/002/005/019/027
E030/E485

AUTHORS: Melikzade, M.M., Musayev, M.R., Buzova, N.G.,
Safaraliyeva, I.G.

TITLE: The role of the side-chain and benzene nucleus of
n-amylbenzene in the deposition of coke in catalytic
cracking conditions

PERIODICAL: Kinetika i kataliz, v.2, no.5, 1961, 754-757

TEXT: C^{14} atoms either in the side-chain or the nucleus of
n-amylbenzene have been used to elucidate their relative
importance in coke formation. Since little is known in detail
about coke formation, a pure hydrocarbon was chosen. The
catalyst was alumino-silica, of 2 to 3 mm pellet size. Reactor
temperature was 450°C with 1/v/v hr space velocity, and the
reaction time taken was 1 hour. The amyl benzene was synthetized
from amyl alcohol; the C^{14} atoms (from $C^{14}O_2$ obtained from
 $BaC^{14}O_3$) were introduced either as valerenic acid or in benzol
during the alkylation stage. Typical yields consisted of 10 to
11% gas, 84 to 86% liquid and 4 to 5% wt coke. Experiments with
 C^{14} in the side-chain were done on a sample of 1.275 g marked feed

Card 1/3

S/195/61/002/005/019/027
E030/E485

The role of the side-chain ...

and 28.725 g unmarked feed. The activity of the liquid product showed that toluene is formed not by breaking the bond between the first and second atoms of the side-chain but by alkylation of benzol with fragments of products of cracked side-chains. The high activity of the coke showed the importance of the side-chain in coke formation. Similar experiments with Cl¹⁴ in the benzene nucleus showed that high molecular weight liquid products are formed both from benzene nucleus and from the side-chain but that coke formation from the side-chain is an order of magnitude greater than from the nucleus. Similar results were obtained on experiments with other pure hydrocarbons (n-hexadecane, mixture of isoamylanes and benzene). The authors studied also the structure of the catalyst after cracking. Adsorption isotherms of the catalyst over methyl alcohol were measured after 50 hours of cracking of benzene, n-hexadecane and isoamylene mixture. They showed that the fraction of wide pores (above 30 Å) fell from 18 to 3%, but that of narrow pores increased. From the weight of coke deposited, it is clearly formed in multimolecular layers in the wide pores. There are 1 figure and 4 tables.

Card 2/3

The role of the side-chain ...

S/195/61/002/005/019/027
E030/E485

ASSOCIATION: Institut neftekhimicheskikh protsessov AN Azerb SSR,
Baku (Institute of Petrochemical Processes
AS Azerbayzhanskaya SSR, Baku)

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Card 3/3